WATER SUPPLY OUTLOOK FOR NEVADA

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed on the last page of this report.

AS OF
JAN. 1, 1971

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western stotes originotes os mountoin snowfoll. This snowfoll occumulotes during the winter ond spring, severol months before the snow melts ond oppeors as streomflow. Since the runoff fram precipitotion as snow is deloyed, estimotes of snowmelt runoff can be mode well in odvonce of its occurrence. Streomflow forecosts published in this report are based principolly on meosurement of the woter equivolent of the mountoin snowpack.

Forecosts become more occurote os more of the dota offecting runoff ore meosured. All forecosts assume thot climotic factors during the remoinder of the snow accumulotion and melt seoson will interoct with o resultont overoge effect on runoff. Eorly seoson forecosts ore therefore subject to o greoter chonge thon those mode on loter dotes.

The snow course meosurement is obtoined by sampling snow depth ond woter equivolent ot surveyed ond morked locotions in mountoin oreos. A totol of obout ten samples ore token ot eoch locotion. The overoge of these ore reported os snow depth and woter equivolent. These meosurements ore repeoted in the some locotion neor the same dotes eoch year.

Snow surveys ore mode monthly or semi-monthly from Jonuory 1 through June 1 in mast stotes. There ore about 1900 snow courses in Western United Stotes ond in the Columbis Basin in British Columbia. Networks of outomotic snow woter equivolent and reloted doto sensing devices, olong with radio telemetry ore exponding ond will pravide o continuaus record of snow woter ond other porameters of key locotions.

Detoiled doto on snow course ond soil moisture meosurements ore presented in stote ond locol reports. Other dota on reservoir storoge, summories of precipitotion, current streamflow, ond soil moisture conditions ot volley elevotions are olso included. The report for Western United Stotes presents o brood picture of woter supply outlook conditions, including selected streomflow forecosts, summory of snow occumulotion to dote, ond storoge in lorger reservoirs.

Snow survey ond soil moisture doto for the period of record ore published by the Soil Conservation Service by stotes obout every five yeors. Doto for the current yeor is summorized in o West-wide basic doto summory ond published obout October 1 of eoch yeor.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservotion Service publishes reports following the principol snow survey dotes from Jonuory 1 through June 1 in cooperotion with stote water odministrotors, ogriculturol experiment stations ond others. Copies of the reports for Western United Stotes ond oll stote reports moy be obtoined from Soil Conservotion Service, Western Regionol Technicol Service Center, Room 209, 701 N. W. Glisan, Portlond, Oregon 97209.

Copies of stote ond locol reports moy olso be obtoined from stote offices of the Soil Conservotion Service in the following stotes:

STATE	ADDRESS
Aloska	P. O. Box "F", Polmer, Alosko 99645
Arizona	6029 Federol Building, Phoenix, Arizona 85025
Colorodo (N. Mex.)	12417 Federol Building, Denver, Colorodo 80202
Idoho	Room 345, 304 N. 8th. St., Boise, Idoho 83702
Montono	P. O. Box 970, Bozeman, Montona 59715
Nevodo	P. O. Box 4850, Reno Nevodo 89505
Oregon	1218 S. W. Washington St., Portlond, Oregon 97205
Utoh	4012 Federol Bldg., 125 South Stote St., Solt Loke City, Utoh 84111
Woshington	360 U.S. Court House, Spokone, Woshington 99201
Wyoming	P. O. Box 2440, Cosper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Woter Supply Outlook reports prepored by other ogencies include o report for Colifornio by the Woter Supply Forecost ond Snow Surveys Unit, Colifornio Deportment of Woter Resources, P. O. Box 388, Socromento, Colifornia 95802 --- ond for British Columbio by the Deportment of Londs, Forests and Water Resources, Water Resources Service, Parliament Building, Victorio, British Columbio

USDA-SCS-PORTLAND, OREG. 1970

WATER SUPPLY OUTLOOK FOR NEVADA

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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INDEX TO NEVADA SNOW COURSES

(By Basins)

Refer to the mop on the following poge for Snow Course locotions.

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
SNAKE RIVER BASIN					
SNAKE RIVER					
15H1MA	BEAR CREEK	31	46N	58E	7800
15H2	FOX CREEK	33	46N	58E	6800
15H13A	GOAT CREEK	31	46N	60E	8800
15H15A	HUMMINGBIRO SPRINGS	6	45N	60E	8945
14H1	JAKES CREEK	6	42N	62E	7000
15H20a	MERRITT MOUNTAIN	10	46N	54E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	REO POINT	15	47N	61E	7940
15H3A	76 CREEK	6	44N	58E	7100
15H19a	STAG MTN.	29	41N	58E	7800
OWYHEE RIVER					
15H4MP	BIG BEND	30	45N	56E	6700
16H6a	COLUMBIA BASIN	31	44N	53E	6650
16H8a	FAWN CREEK	2	45N	52E	7000
15H5	GOLO CREEK	32	45N	56E	6600
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2A	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL ORAW	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
15H9MP	TAYLOR CANYON	35	39N	53E	6200
INTERIOR					
UPPER HUMBOLOT RIVER					
15J17a	AMERICAN BEAUTY	32	31N	58E	7800
15J12A	CORRAL CANYON	27	28N	57E	8500
15J1MP	OORSEY BASIN	28	35N	60E	8100
15J3	ORY CREEK	5	34N	60E	6500
15H7	FRY CANYON	31	43N	54E	6700
15J9MP	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
15J4	LAMOILLE #1	15	32N	58E	7100
15J5	LAMOILLE #2	14	32N	58E	7200
15J6M	LAMOILLE #3	24	32N	58E	7700
15J7	LAMOILLE #4	19	32N	59E	8000
15J8P	LAMOILLE #5	31	32N	59E	8700
15J18a	POLE CANYON	31	35N	61E	9140
15J16a	ROBINSON LAKE	23	33N	59E	9200
15H6MP	RODEO FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H8	TREMEWAN RANCH	9	39N	55E	5700
15H10P	TROUT CREEK, LOWER	28	37N	61E	6900
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500
LOWER HUMBOLOT RIVER					
17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600
17K2	BIG CREEK MINE	23	17N	43E	7600
17K3	BIG CREEK, UPPER	26	17N	43E	7800
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	8200
17L1	CORRAL, LOWER	12	11N	40E	7500
17L2	CORRAL, UPPER	20	11N	41E	8000
17J2	GOLCONOA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	39E	7800
17H5	LAMANCE CREEK	13	42N	38E	6000
17H3	MARTIN CREEK	18	44N	40E	6700
16H3AP	MIDAS	18	39N	46E	7200
16H7	TOE JAM a	29	40N	50E	7700
EASTERN NEVADA					
14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	26	17N	65E	9100
14K1	BIRO CREEK	34	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	25	16N	62E	7250
15K1	ROBINSON SUMMIT	34	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARO MOUNTAIN #2	25	15N	62E	8900
CENTRAL GREAT BASIN					
18M2	CAMPITO MTN (CAL.)	19	5S	35E	10200
18M5a	CHIATOVICH FLAT	32	2S	34E	10500
15N2	CLARK CANYON	8	19S	56E	9000
18M1	MONTGOMERY PASS	4	1N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	4S	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500
NORTHERN GREAT BASIN					
19H1	BALO MOUNTAIN	17	45N	21E	6720
20H5	BARBER CREEK (CAL.)	23	39N	16E	6500
20H6	CEDAR PASS (CAL.)	12	43N	14E	7100
18G6a	DENIO CREEK (OREG.)	14	41S	34E	6000
18H1	DISASTER PEAK	8	47N	34E	6500
20H3a	DISMAL SWAMP (CAL.)	31	48N	22E	7000
20H7	EAGLE PEAK (CAL.)	35	40N	15E	7200
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	39N	18E	6400
19H4a	LITTLE BALLY MTN	8	45N	19E	6000
20H9	MT. BIDWELL	6	47N	16E	7200
20H10	NORTH STAR	13	47N	15E	6200
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIDGE	9	47N	41E	6300
20H4	RESERVATION CREEK (CAL.)	12	46N	15E	5900
18G5a	TROUT CREEK (OREG.)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
LAKE TAHOE					
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3MSZ	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8200
19K4MSTZ	MARLETTE LAKE	18	15N	19E	8000
20L3	RICHAROSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL.)	6	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M	WARO CREEK (CAL.)	21	15N	16E	7000
20K25STZ	WARO CREEK #2 (CAL.)	21	15N	16E	6750
TRUCKEE RIVER					
20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E	7100
20K21	DONNER PARK #2 (CAL.)	18	17N	16E	6000
20K10*	DONNER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FOROYCE LAKE (CAL.)	34	18N	13E	6500
20K8	FURNACE FLAT (CAL.)	10	17N	13E	6700
19L10	HEAVENLY VALLEY	1	12N	17E	8850
20K4MP	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
19K7	MT. ROSE SKI AREA	30	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SQUAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K2	WEBBER LAKE (CAL.)	29	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000
CARSON RIVER					
19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L19a	EBBETTS PASS (CAL.)	17	8N	20E	8700
19L16a	FISH VALLEY, UPPER (CAL.)	18	7N	22E	8050
19L06a	POISON FLAT (CAL)	25	8N	21E	7900
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100
19L20a	WOLF CREEK (CAL.)	35	8N	20E	8000
WALKER RIVER					
19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
19L17a	LOBOELL LAKE (CAL.)	20	7N	24E	9200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SONORA PASS (CAL.)	1	5N	21E	8800
19L23STZ	SONORA PASS BRIDGE	6	5N	22E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9900
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250
19L22 SZ	VIRGINIA LAKES RIDGE	32	3N	25E	9200
COLORADO					
LOWER COLORADO RIVER					
15N5	KYLE CANYON	27	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8400
15N3	LEE CANYON #2	9	19S	56E	9200
15N8	LEE CANYON #3	10	19S	56E	8500
14M1	MATHEW CANYON	10	6S	70E	6000
14M2	PINE CANYON	23	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100
15L1	WHITE RIVER #1	31	13N	59E	7400

LEGEND

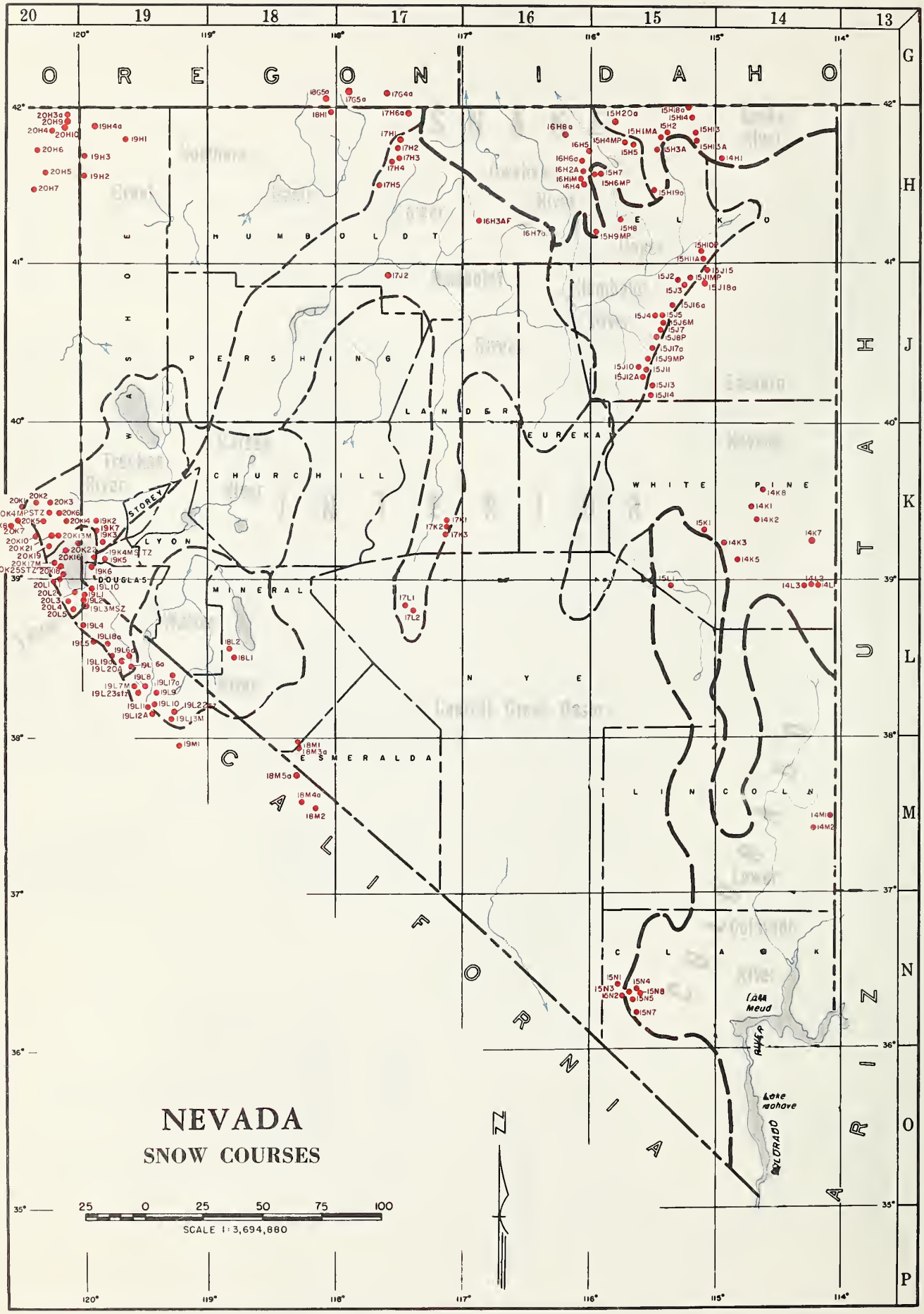
NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K4S	SNOW COURSE AND SNOW PILLOW
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE
19K4STZ	SNOW COURSE, SNOW PILLOW AND TEMPERATURE RADIO TELEMETERED.

LOWER CASE LETTERS m, a, d, s, t, z, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER, STORAGE PRECIPITATION GAGE, SNOW PILLOW, TEMPERATURE, OR RADIO TELEMETERED.

*LOCATED ON ADJACENT WATERSHED

USDA-SCS-PORTLAND, OREG. 1969 M-1824



U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

WATER SUPPLY OUTLOOK FOR NEVADA

SNOW SURVEYS TAKEN NEAR THE FIRST OF THE YEAR INDICATE THAT SIERRA NEVADA WATERSHEDS IMPORTANT TO NEVADA ARE COVERED WITH A VERY DEEP BLANKET OF SNOW. THIS INFORMATION COMES AS NO SURPRISE TO THE RESIDENTS WHO HAVE WITNESSED THE FREQUENT SNOW STORMS THIS PAST DECEMBER. THE CURRENT SNOWPACK IN THE HUMBOLDT AND OWYHEE DRAINAGES IS 130 TO 140 PERCENT OF NORMAL. RESERVOIR STORAGE IS EXCELLENT. CURRENTLY, WATER HELD IN STORAGE IS OVER 150 PERCENT OF AVERAGE. THIS STORED WATER, PLUS THE DEEP SNOWPACK, INDICATES THAT NEVADA'S WATER USERS CAN PLAN AHEAD FOR AN EXCELLENT SUMMER WATER SUPPLY THIS YEAR.

January 1 snow surveys in the Sierra Nevada Range indicate that the recent snow storms have deposited nearly 90 percent of the amount usually accumulated throughout the entire winter season. The current accumulation of snow represents about 200 percent of normal for this date. This situation imposes the fact that we must keep a very close inventory on this winter's snowpack for further developments. If the pack continues to build at the present rate, or if the weather turns dry and we don't receive normal amounts of precipitation before the spring thaw, water managers will need to make the critical and almost opposite operating decisions as early in the winter as possible.

The northeast portion of Nevada is currently covered with a blanket of snow ranging from 130 to 150 percent of the average for this date. Specifically, the snowpack on the headwaters of the Snake River is above 150 percent of normal; on the Owyhee 140 percent, and on the Upper Humboldt 130 percent of average.

Reservoir storage is excellent for this date. Most reservoirs affecting Nevada's water supply contain above-normal amounts of stored water. In the Carson and Truckee watersheds there are currently 870,000 acre-feet of stored water. The Walker River system has 58,000 acre-feet in Topaz and Bridgeport Reservoirs. Rye Patch Reservoir on the Humboldt has 160,000 acre-feet of usable storage impounded, while 36,000 acre-feet are in storage in the new Wild Horse Reservoir on the Owyhee River.

If this winter's snow storms continue to be as intense as they have been to date, it is anticipated that many of these reservoirs will release much of their storage during the next two to three months so they will have the capacity to store some of the peak runoff from a large snowpack.

RESERVOIR STORAGE (Thousand Acre Feet) as of January 1, 1971

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average+
Owyhee	Wild Horse	72	36	7	13
Lower Humboldt	Rye Patch	179	160	155	64
Colorado	Mohave	1,810	1,523	1,519	1,618
Colorado	Mead	27,217	16,811	16,760	16,895
Tahoe	Tahoe	732	551	553	376
Truckee	Boca	41	33	22	10
Truckee	Stampede	220	90	20	**
Truckee	Prosser ***	30	8	9	10 *
Carson	Lahontan	286	188	234	149
West Walker	Topaz	59	30	48	26
East Walker	Bridgeport	42	28	43	22

* Adjusted average.
** Storage began August 1, 1969.
*** Flood control use allocation of 20,000 acre-feet between November 1 and April 10.

TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average +
October 1	936	999	656
January 1	1,026	1,062	660
February 1		1,255	715
March 1		1,206	768
April 1		1,182	839
May 1		1,167	890

The above data developed from Wild Horse, Rye Patch, Tahoe, Boco, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-Feet.

TOTAL USABLE CAPACITY 1,411

+ 1953-1967 period.

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Water Content (inches) Average †
OWYHEE RIVER					
Big Bend	12/28/70	19	3.5	3.6	2.6*
Gold Creek	12/28/70	12	2.0	1.5	1.6*
Taylor Canyon	12/28/70	13	2.6	2.3	1.6*
HUMBOLDT RIVER					
Fry Canyon	12/28/70	17	3.5	3.1	2.3*
Rodeo Flat	12/28/70	10	2.5	2.5	2.4*
Tremewan Ranch	12/28/70	8	.9	1.0	0.4*
LAKE TAHOE-TRUCKEE RIVER					
Donner Summit	1/4/71	93	30.7	8.5	-
Echo Summit	12/29/70	87	24.8	12.0	-
Freel Bench	12/30/70	43	12.6	3.9	-
Glenbrook #2	1/03/71	36	9.8	2.9	-
Hagans Meadow	12/30/70	45	13.4	6.5	-
Heavenly Valley	12/30/70	64	20.6	10.1	-
Independence Camp	12/31/70	62	19.0	2.9	-
Marlette Lake	12/29/70	50	15.6	8.0	-
Mount Rose Ski Area	12/31/70	100	35.4	17.0	-
Richardsons #2	1/03/71	51	14.2	2.9	-
Truckee #2	1/03/71	49	13.8	-	-
Upper Truckee	12/30/70	42	11.7	1.8	-
Ward Creek #2	12/29/70	82	23.6	12.6	-
CARSON-WALKER RIVERS					
Sonora Pass	12/28/70	60	19.2	5.3	-
Virginia Lakes	12/28/70	42	13.2	3.6	-
Virginia Lakes Ridge	12/28/70	40	11.8	3.1	-
SNAKE RIVER					
Pole Creek Ranger Station	12/29/70	41	12.4	9.8	6.5*

NOTE:
*All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.*

† 1953-1967 period.

PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +

Peak-flow forecasts not issued until March 1, 1971.

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value

Low-flow forecast not issued until March 1, 1971.

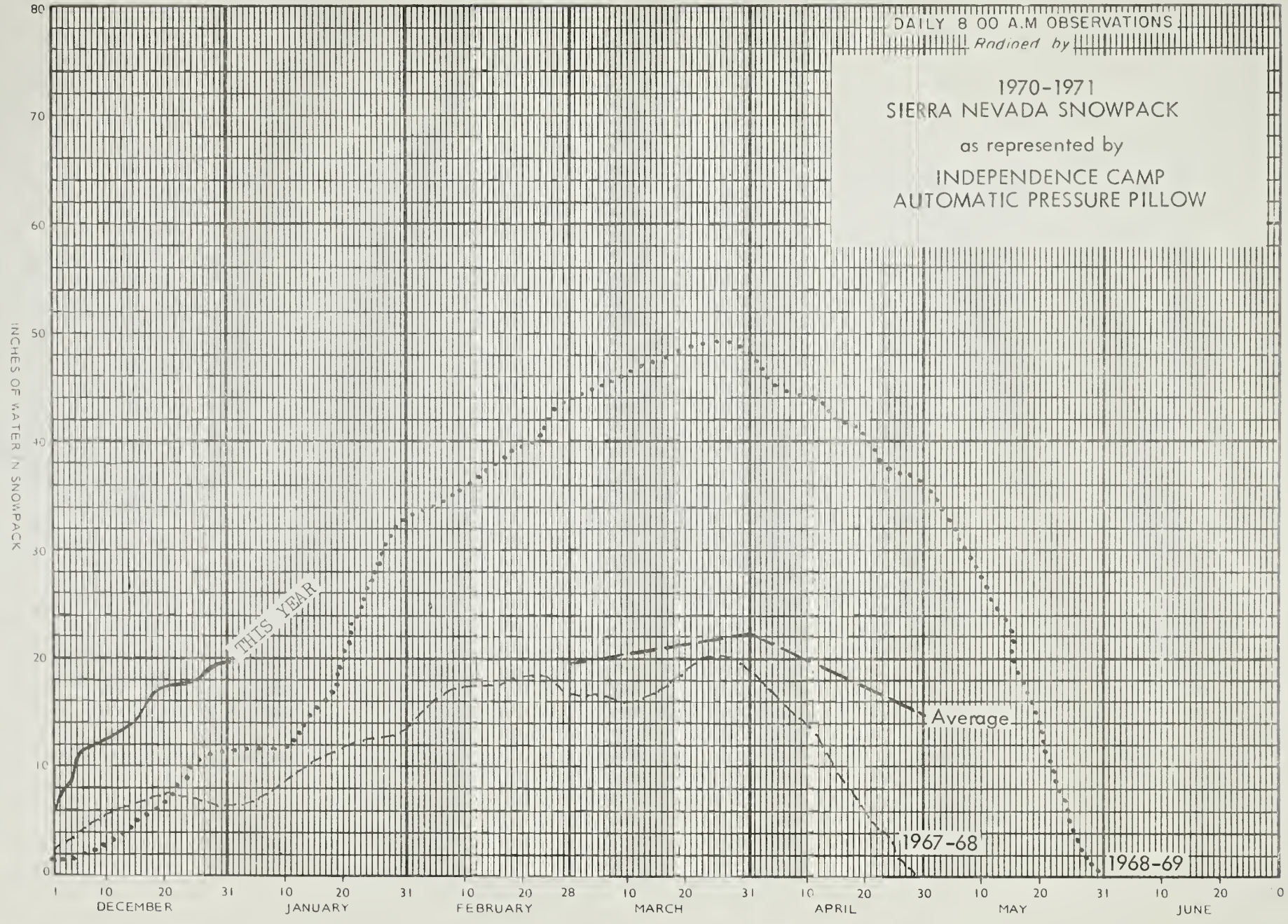
SOIL MOISTURE MEASUREMENTS

STATION	Profile (Inches)		Soil Moisture (Inches)		
	Depth	Capacity	Date	This Year	Average +
OWYHEE-HUMBOLDT BASIN					
Big Bend	48	16.7	12/28/70	13.2	15.4*
Rodeo Flat	42	11.0	12/28/70	7.4	10.3*
Taylor Canyon	48	15.1	12/28/70	9.7	13.2*
TAHOE-TRUCKEE BASIN					
Independence Camp	34	6.1	12/31/70	2.2	5.3*
Marlette Lake	50	3.7	12/29/70	2.0	1.9*
Ward Creek	49	5.8	12/29/70	1.9	4.3*
WALKER BASIN					
Sonora Pass	48	8.3	12/28/70	8.3	-
Virginia Lakes	40	5.0	12/28/70	2.0	-

* Adjusted average

+ 1953-1967 period.

U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION



Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL
- Agricultural Research Service
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U. S. District Court - Federal Water Master
- Weather Bureau

STATE
- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Soil Conservation Districts
- Nevada Department of Conservation & Natural Resources
  - Division of Water Resources
  - Nevada State Forester
- Oregon Cooperative Snow Surveys
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

PRIVATE
- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas and Electric Company
- Pershing County Water Conservancy District
- Sierra Pacific Power Company
- Truckee-Carson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservancy District

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UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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OFFICIAL BUSINESS

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COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation , navigation , mining and industry

"The Conservation of Water begins with the Snow Survey"